

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E80408

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Thompson Site

Survey Type : Online

Street : 9010 East Marginal Way S

Response Rate : 56%

Jurisdiction : City of Tukwila

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 18.0%

Drive Alone Rate : 82.0%

One-Way VMT per employee : 18.2

Average One-Way distance home to work : 21.0

Employees and Survey Response Information

Reported Total Employees at Worksite: 568

Surveys Distributed : 515

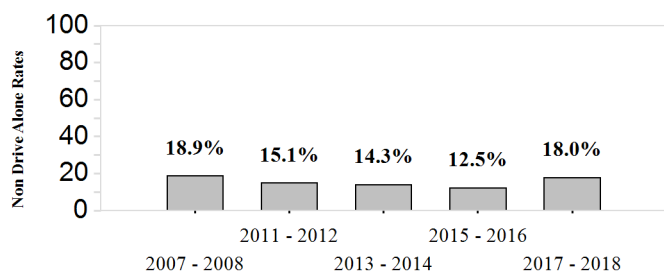
Surveys Returned : 289

Surveys Returned by CTR Affected* Employees : 227

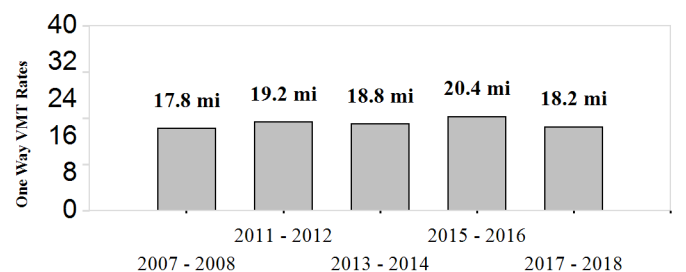
Total Estimated CTR Affected Employees at Worksite : 405

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

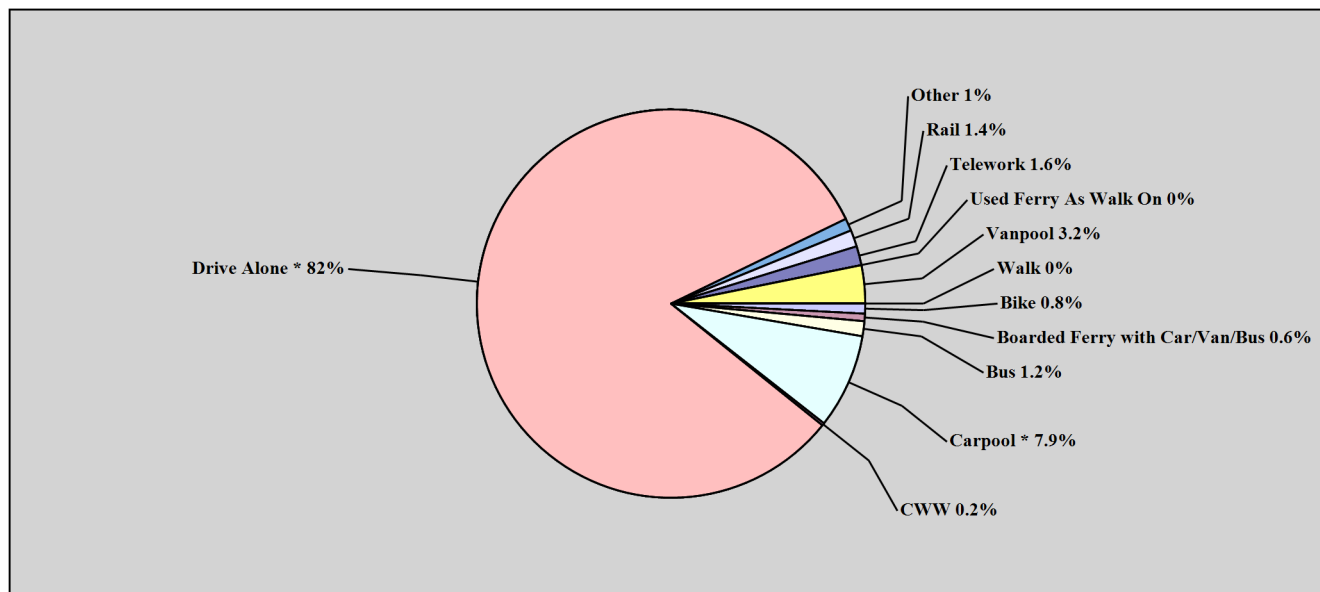
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	18.9%	18.7%	1598	1991	30.9	17.8	16.9
2009 - 2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011 - 2012	15.1%	14.1%	922	2888	44.8	19.2	18.4
2013 - 2014	14.3%	11.9%	1760	2856	44.3	18.8	17.6
2015 - 2016	12.5%	13.3%	2021	2733	42.4	20.4	18.7
2017 - 2018	18.0%	20.5%	1170	2300	35.7	18.2	17.0
Target	27.1%				Target:	13.9	
% Point Change Target:	8.2				% Change Target:	-21.9%	
% Point Change from Baseline:	-0.9				% Change from Baseline:	2.2%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



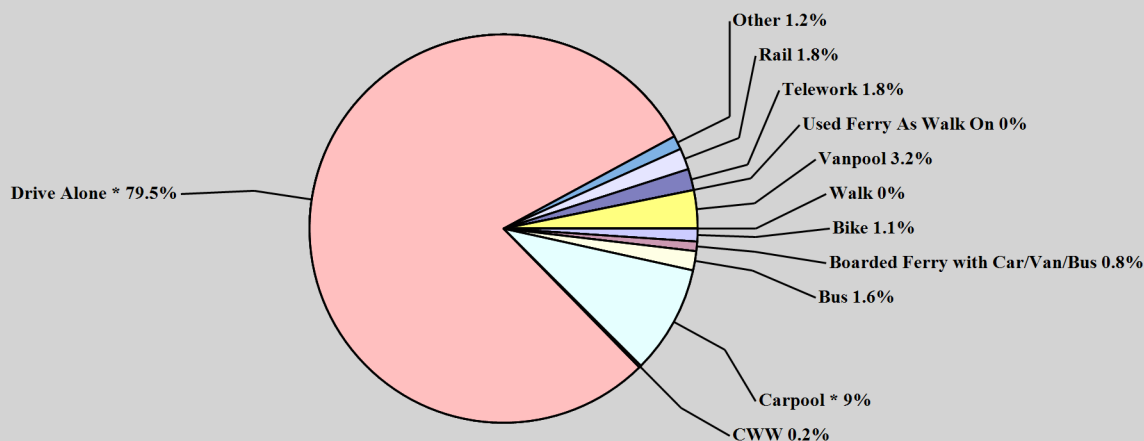
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,187	82.0%	87.5%	254	87.9%	92.0%
Carpool *	114	7.9%	5.5%	31	10.7%	7.4%
Vanpool	46	3.2%	1.7%	11	3.8%	1.9%
Bus	18	1.2%	0.9%	5	1.7%	1.3%
Rail	20	1.4%	0.9%	4	1.4%	1.1%
Bike	12	0.8%	0.7%	5	1.7%	1.3%
Walk	0	0.0%	0.2%	0	0.0%	0.2%
Telework	23	1.6%	1.3%	18	6.2%	5.5%
CWW	3	0.2%	0.2%	3	1.0%	0.8%
Boarded Ferry with Car/Van/Bus	9	0.6%	0.6%	2	0.7%	0.6%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	15	1.0%	0.6%	6	2.1%	1.1%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	897	79.5%	86.7%	193	85.0%	90.8%
Carpool *	102	9.0%	5.4%	27	11.9%	7.4%
Vanpool	36	3.2%	1.9%	9	4.0%	2.2%
Bus	18	1.6%	1.4%	5	2.2%	1.8%
Rail	20	1.8%	1.3%	4	1.8%	1.5%
Bike	12	1.1%	0.7%	5	2.2%	1.2%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	20	1.8%	1.6%	15	6.6%	6.2%
CWW	2	0.2%	0.3%	2	0.9%	1.2%
Boarded Ferry with Car/Van/Bus	9	0.8%	0.0%	2	0.9%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	13	1.2%	0.7%	4	1.8%	0.9%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	212	73%	289	100%
1 Days	21	7%	77	27%
2 Days	10	3%	56	19%
3 Days	5	2%	46	16%
4 Days	5	2%	41	14%
5 Days	34	12%	36	12%
6 or More Days	2	1%	2	1%

Count by Occupancy of Carpools and Vanpools

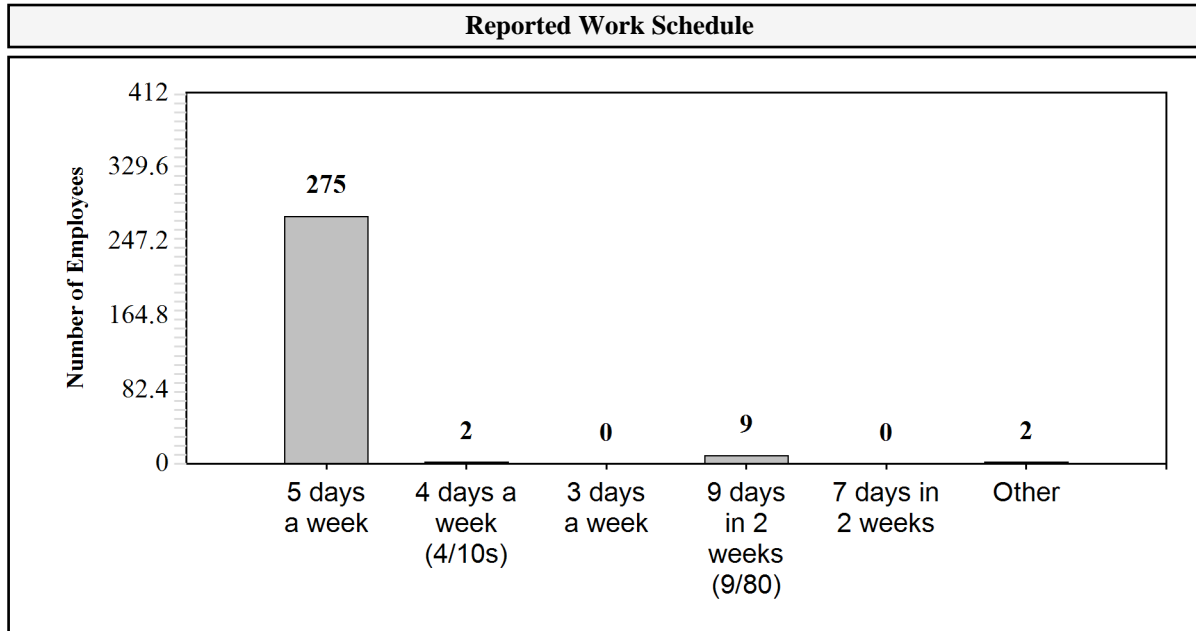
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	103
3	Carpool	9
4	Carpool	1
5	Carpool	0
>5	Carpool	1
<5	Vanpool	5
5	Vanpool	5
6	Vanpool	8
7	Vanpool	10
8	Vanpool	8
9	Vanpool	5
10	Vanpool	5
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

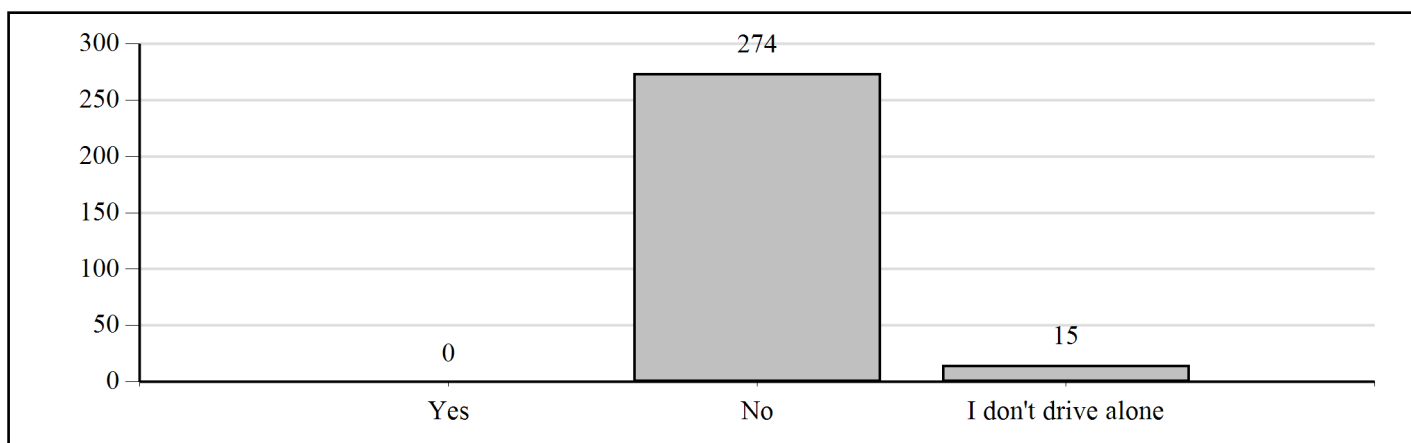
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	275	95.5%
4 days a week (4/10s)	2	0.7%
3 days a week	0	0%
9 days in 2 weeks (9/80)	9	3.1%
7 days in 2 weeks	0	0%
Other	2	0.7%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	165	57.1%
Occasionally, on an as-needed basis	93	32.2%
1-2 days/month	15	5.2%
1 day/week	13	4.5%
2 days/week	2	0.7%
3 days/week	1	0.3%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	80	14.9%
I have the option of teleworking	79	14.7%
Personal health or well-being	60	11.2%
To save time using the HOV lane	59	11.0%
Other	54	10.1%
Free or subsidized bus, train, vanpool pass or fare benefit	46	8.6%
Financial incentives for carpooling, bicycling or walking.	40	7.5%
Environmental and community benefits	37	6.9%
Driving myself is not an option	34	6.3%
Emergency ride home is provided	23	4.3%
Cost of parking or lack of parking	14	2.6%
Preferred/reserved carpool/vanpool parking is provided	6	1.1%
I receive a financial incentive for giving up my parking space	4	0.7%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	205	27.8%
Riding the bus or train is inconvenient or takes too long	204	27.6%
Family care or similar obligations	98	13.3%
Other	62	8.4%
Bicycling or walking isn't safe	53	7.2%
My job requires me to use my car for work	49	6.6%
My commute distance is too short	44	6.0%
I need more information on alternative modes	22	3.0%
There isn't any secure or covered bicycle parking	1	0.1%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98042	14	4.84%	51	10	5	0	0	0	0	0	1	0	0	0	1
98038	13	4.50%	64	0	0	0	0	0	0	0	3	0	0	0	0
98059	12	4.15%	53	4	0	0	0	0	0	0	0	0	0	0	7
98058	10	3.46%	38	10	0	0	0	0	0	0	1	0	0	0	0
98031	9	3.11%	47	0	0	0	0	0	1	0	0	0	0	0	0
98055	9	3.11%	41	2	0	0	0	0	0	0	0	0	0	0	0
98391	9	3.11%	37	5	0	0	0	0	0	0	1	0	0	0	0
98116	8	2.77%	21	13	0	5	0	0	0	0	0	0	0	0	0
98056	7	2.42%	34	0	0	0	0	0	0	0	0	1	0	0	0
98092	7	2.42%	38	0	0	0	0	0	0	0	1	0	0	0	0
98003	6	2.08%	21	6	1	1	1	0	0	0	2	0	0	0	0
98006	6	2.08%	27	0	0	0	0	0	0	0	0	0	0	0	0
98198	6	2.08%	29	0	0	0	0	0	0	0	1	0	0	0	0
98023	5	1.73%	20	0	5	0	0	0	0	0	0	0	0	0	0
98030	5	1.73%	25	0	0	0	0	0	0	0	0	1	0	0	0
98032	5	1.73%	14	0	0	0	5	0	0	0	1	0	0	0	0
98118	5	1.73%	20	0	0	0	0	7	0	0	0	0	0	0	0
98166	5	1.73%	25	0	0	0	0	0	0	0	0	0	0	0	0
98321	5	1.73%	7	8	5	0	0	0	0	0	4	0	0	0	0
98001	4	1.38%	14	0	0	0	0	0	0	0	0	0	0	0	0
98036	4	1.38%	16	0	0	1	0	0	0	0	2	0	0	0	0
98065	4	1.38%	20	0	0	0	0	0	0	0	0	0	0	0	0
98103	4	1.38%	15	5	0	0	0	0	0	0	0	0	0	0	0
98144	4	1.38%	20	0	0	0	0	0	0	0	0	0	0	0	0
98338	4	1.38%	3	7	5	0	0	0	0	0	2	0	0	0	5
98374	4	1.38%	15	0	5	0	0	0	0	0	2	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98390	4	1.38%	5	0	0	0	0	10	5	0	0	0	0	0	0
98422	4	1.38%	20	0	0	0	0	0	0	0	0	0	0	0	0
98002	3	1.04%	12	0	0	0	0	0	0	0	0	0	0	0	1
98010	3	1.04%	15	0	0	0	0	0	0	0	0	0	0	0	0
98022	3	1.04%	17	0	0	0	0	0	0	0	0	0	0	0	0
98027	3	1.04%	14	0	0	0	0	0	0	0	1	0	0	0	0
98051	3	1.04%	13	2	0	0	0	0	0	0	0	0	0	0	0
98075	3	1.04%	12	5	0	0	0	0	0	0	0	0	0	0	0
98136	3	1.04%	12	0	0	0	0	0	2	0	0	0	0	0	0
98146	3	1.04%	16	0	0	0	0	0	0	0	0	0	0	0	0
98155	3	1.04%	15	0	0	0	0	0	0	0	0	0	0	0	0
98168	3	1.04%	14	0	0	0	0	0	0	0	0	0	0	0	1
98004	2	0.69%	5	5	0	0	0	0	0	0	0	0	0	0	0
98005	2	0.69%	5	5	0	0	0	0	0	0	0	0	0	0	0
98007	2	0.69%	9	0	0	0	0	0	0	0	0	0	0	0	0
98008	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98012	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98033	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98047	2	0.69%	11	1	0	0	0	0	0	0	0	0	0	0	0
98072	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98105	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98106	2	0.69%	8	0	0	0	0	0	2	0	0	0	0	0	0
98107	2	0.69%	7	3	0	0	0	0	0	0	0	0	0	0	0
98109	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98117	2	0.69%	1	9	0	0	0	0	0	0	0	0	0	0	0
98122	2	0.69%	5	0	0	0	5	0	0	0	0	0	0	0	0
98126	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98178	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98188	2	0.69%	12	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98360	2	0.69%	9	0	0	0	0	0	0	0	1	0	0	0	0
98371	2	0.69%	5	5	0	0	0	0	0	0	0	0	0	0	0
98375	2	0.69%	10	0	0	0	0	0	0	0	0	0	0	0	0
98445	2	0.69%	12	0	0	0	0	0	0	0	0	0	0	0	0
98018	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98021	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98024	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98029	1	0.35%	4	1	0	0	0	0	0	0	0	0	0	0	0
98034	1	0.35%	4	0	0	0	0	0	0	0	0	0	0	0	0
98043	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98057	1	0.35%	4	0	0	0	0	0	0	0	0	0	0	0	0
98070	1	0.35%	0	0	0	0	0	0	0	0	0	0	5	0	0
98074	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98093	1	0.35%	0	5	0	0	0	0	0	0	0	0	0	0	0
98101	1	0.35%	0	0	0	0	5	0	0	0	0	0	0	0	0
98104	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98119	1	0.35%	2	1	0	0	0	0	2	0	0	0	0	0	0
98121	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98148	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98154	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98271	1	0.35%	0	1	4	0	0	0	0	0	0	0	0	0	0
98329	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98335	1	0.35%	0	0	5	0	0	0	0	0	0	0	0	0	0
98359	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98366	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98370	1	0.35%	1	0	0	0	0	0	0	0	0	0	4	0	0
98372	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98373	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98385	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98396	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98402	1	0.35%	1	1	3	0	0	0	0	0	0	0	0	0	0
98406	1	0.35%	1	0	3	0	0	0	0	0	0	1	0	0	0
98407	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98409	1	0.35%	0	0	0	0	2	3	0	0	0	0	0	0	0
98424	1	0.35%	4	0	0	0	0	0	0	0	0	0	0	0	0
98466	1	0.35%	0	0	5	0	0	0	0	0	0	0	0	0	0
98580	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98584	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98597	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0